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comparing the agent-biased binding with a corresponding unbiased binding of the sensor to the first receptor;

wherein a difference between the biased and unbiased bindings indicates that the agent modulates a binding function of the first receptor.

33. (New) A method according to claim 32, wherein the measuring step comprises detecting the first receptor of immobilized first receptor-sensor complexes.

34. (New) A method according to claim 32, wherein the measuring step, the first receptor is immobilized through the sensor.

35. (New) A method according to claim 32, wherein the sensor comprises a label and wherein the measuring step, the first receptor is immobilized through the sensor and the sensor is immobilized through the label.

36. (New) A method according to claim 32, wherein the sensor comprises a label and wherein the measuring step, the first receptor is immobilized through the sensor, and the sensor is immobilized through the label by a second receptor.

37. (New) A method according to claim 32, wherein the sensor comprises a label and wherein the measuring step, the first receptor is immobilized through the sensor, and the sensor is immobilized through the label by a second receptor and wherein the measuring step comprises detecting the immobilized first receptor.

38. (New) A method according to claim 32, wherein the sensor comprises a label and wherein the measuring step, the first receptor is immobilized through the sensor, and the sensor is immobilized through the label by a second receptor and wherein the measuring step comprises detecting the immobilized first receptor with a third receptor.

39. (New) A method according to claim 32, wherein the sensor comprises an epitope label, wherein the measuring step, the first receptor is immobilized through the sensor and the sensor is

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immobilized through the label by a second receptor comprising an immobilized epitope label-specific antibody moiety.

40. (New) A method according to claim 32, wherein the sensor comprises a biotin label and wherein the measuring step, the first receptor is immobilized through the sensor and the sensor is immobilized through the label by a second receptor comprising an immobilized avidin moiety.

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41. (New) A method according to claim 32, wherein the measuring step, the sensor is immobilized through the first receptor.

42. (New) A method according to claim 32, wherein the measuring step, the sensor is immobilized through the first receptor and the first receptor is immobilized through a second receptor.

43. (New) A method according to claim 32, wherein the measuring step, the sensor is immobilized through the first receptor and the first receptor is immobilized through a second receptor and wherein the measuring step comprises detecting the immobilized sensor.

44. (New) A method according to claim 32, wherein the measuring step, the sensor is immobilized through the first receptor and the first receptor is immobilized through a second receptor and wherein the measuring step comprises detecting the immobilized sensor with a third receptor.

45. (New) A method according to claim 32, wherein the measuring step, the sensor is immobilized through the first receptor and the first receptor is immobilized through a second receptor comprising a receptor specific antibody.

46. (New) A method according to claim 32, wherein the first receptor comprises the ligand binding domain of PPAR γ , Cyp7PBP(LRH-1), NURR1, RZR β , ROR α , NOR-1, Rev-ErbA β , Tlx, NGFI-B β , HZF-2 α , COUP-TF α , β , γ , Nur77, LXR α , COR, Rev-ErbA α , HNF4 α , TOR, MB67 α , SHP, FXR, SF-1, LXR β , GCNF, TR2-11 α , β , TR4, ERR α , β and DAX-1

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47. (New) A method according to claim 32, wherein the agent effects an increase in binding of the sensor to the first receptor.
48. (New) A method according to claim 32, wherein the sensor is at a concentration of less than about 10 nM.
49. (New) A method according to claim 32, wherein the first receptor, peptide and agent are in solution.
50. (New) A method according to claim 32, wherein the peptide comprises a fluorescent label and the measuring step comprises detecting fluorescence polarization of the label.
51. (New) A method according to claim 32, wherein the mixture further comprises a ligand of the first receptor.
52. (New) A method according to claim 32, wherein the peptide is 12 or fewer residues in length.
53. (New) A method according to claim 32, wherein the peptide comprises an amphipathic alpha helix.
54. (New) A method according to claim 32, wherein the peptide comprises a sequence selected from the group consisting of: KLVQLTTT (SEQ ID NO:1), ILHRLLE (SEQ ID NO:2), LLRYLLDK (SEQ ID NO:3), LLRYLLD (SEQ ID NO:4), LRYLLD (SEQ ID NO:5), LLRYLL (SEQ ID NO:6), LRYLL (SEQ ID NO:7), LLRYLLDKD (SEQ ID NO:8), QLLRYLLDKD (SEQ ID NO:9), HQLRYLLDKD (SEQ ID NO:10), PQAQQKSLLQQLT (SEQ ID NO:11), LLQQLLE (SEQ ID NO:12), VTLLQLLG (SEQ ID NO:13), ILRKLE (SEQ ID NO:14), ILKRLLE (SEQ ID NO:15), ILRLE (SEQ ID NO:16) and ILKLE (SEQ ID NO:17).
55. (New) A method according to claim 32, wherein the peptide consists of a sequence selected from the group consisting of: KLVQLTTT (SEQ ID NO:1), ILHRLLE (SEQ ID NO:2),

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LLRYLLDK (SEQ ID NO:3), LLRYLLD (SEQ ID NO:4), LRYLLD (SEQ ID NO:5), LLRYLL (SEQ ID NO:6), LRYLL (SEQ ID NO:7), LLRYLLDKD (SEQ ID NO:8), QLLRYLLDKD (SEQ ID NO:9), HQLRYLLDKD (SEQ ID NO:10), PQAQQKSLQQLLT (SEQ ID NO:11), LLQQLLTE (SEQ ID NO:12), VTLLQLLG (SEQ ID NO:13), ILRKLLQE (SEQ ID NO:14), ILKRLLQE (SEQ ID NO:15), ILRRLLQE (SEQ ID NO:16) and ILKKLLQE (SEQ ID NO:17).

56. (New) A method according to claim 32, wherein the label provides for indirect detection of the sensor.

57. (New) A method according to claim 32, wherein the label provides for indirect detection of the sensor, wherein the label is an epitope tag.

31 added
58. (New) A method according to claim 32, wherein the label provides for direct detection of the sensor.

59. (New) A method according to claim 32, wherein the label provides for direct detection of the sensor, wherein the label is a luminescent label.

60. (New) A method according to claim 32, wherein the label provides for direct detection of the sensor, wherein the label is a luminescent label, wherein the luminescent label is a fluorescent label.

61. (New) A method according to claim 32, wherein the label provides for direct detection of the sensor, wherein the label is a luminescent label, wherein the luminescent label is a fluorescent label, wherein the fluorescent label is coupled to the N-terminus of the peptide.

add
REMARKS

New claims 32-45 are similar to canceled claims 17-30; new claims 46-55 are similar to canceled claims 2-5, 7-10 and 16. Support for labels providing for direct and indirect detection (claims 56-61) is found on p.7, lines 12-20). Consistent with the amendments made today in copending Serial No. 08/975,614, the "5-25" limitation of our July 17 amendment has been